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◈   Ivan L. Wemple, Andrew T. Yang
January 1995 **Proceedings of the 32nd ACM/IEEE conference on Design automation**
**Publisher:** ACM Press
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**2**  Controlled simplification of genus for polygonal models
Jihad El-Sana, Amitabh Varshney
October 1997 **Proceedings of the 8th conference on Visualization '97**
**Publisher:** IEEE Computer Society Press
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**3**  Collision detection and proximity queries
◈   Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**
**Publisher:** ACM Press
Full text available: 📄 pdf(11.22 MB)   Additional Information: full citation, abstract

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

**4**  Geometric modeling: Extraction and remeshing of ellipsoidal representations from mesh data
Patricio D. Simari, Karan Singh
May 2005 **Proceedings of the 2005 conference on Graphics interface GI '05**
**Publisher:** Canadian Human-Computer Communications Society
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Dense 3D polygon meshes are now a pervasive product of various modelling and scanning processes that need to be subsequently processed and structured appropriately for

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